

CLAIMS

1. A curable composition comprising :  
a vinyl polymer (I) having at least one crosslinkable  
silyl group on average, and  
a compound (II) having an  $\alpha,\beta$ - or  $\alpha,\gamma$ -diol structure in  
the molecule.
2. The curable composition according to claim 1,  
comprising a vinyl polymer (I) having a molecular weight  
distribution of less than 1.8.
3. The curable composition according to claim 1 or 2,  
wherein the crosslinkable silyl group is represented by  
the general formula (1):  
$$-[Si(R^1)_{2-b}(Y)_bO]_m-Si(R^2)_{3-a}(Y)_a \quad (1)$$
wherein R<sup>1</sup> and R<sup>2</sup>, the same or different, represent an  
alkyl group having 1 to 20 carbons, an aryl group having  
6 to 20 carbons, an aralkyl group having 7 to 20 carbons,  
or a triorganosiloxy group represented by (R')<sub>3</sub>SiO-,  
wherein R' represents a monovalent hydrocarbon group  
having 1 to 20 carbons, and the a plurality of R's may  
be the same or different; when two or more R<sup>1</sup>'s or R<sup>2</sup>'s are  
present, the R<sup>1</sup>'s or R<sup>2</sup>'s may be the same or different; Y  
is a hydroxyl group or a hydrolyzable group; when two or  
more Ys are present, the Ys may be the same or different;  
a represents 0, 1, 2, or 3; b represents 0, 1, or 2; and  
m represents an integer from 0 to 19; provided that a +  
 $mb \geq 1$ .

4. The curable composition according to any one of claims 1 to 3, comprising a vinyl polymer (I) which has a main chain produced by polymerizing a monomer selected from the group consisting of a (meth)acrylic monomer, an acrylonitrile monomer, an aromatic vinyl monomer, a fluorine-containing vinyl monomer and a silicon-containing vinyl monomer as a main component.
5. The curable composition according to claim 4, comprising a vinyl polymer (I) having a (meth)acrylic polymer as a main chain.
6. The curable composition according to claim 5, comprising a vinyl polymer (I) having an acrylic polymer as a main chain.
7. The curable composition according to claim 6, comprising a vinyl polymer (I) having an acrylic ester polymer as a main chain.
8. The curable composition according to any one of claims 1 to 7, wherein the vinyl polymer (I) has a main chain produced by living radical polymerization.
9. The curable composition according to claim 8, wherein the vinyl polymer (I) has a main chain produced by atom transfer radical polymerization.
10. The curable composition according to claim 9, comprising a vinyl polymer (I) which has, as a catalyst, a metal complex selected from the group consisting of a copper complex, a nickel complex, a ruthenium complex, or an iron complex.

11. The curable composition according to any one of claims 1 to 10, wherein the crosslinkable silyl group of the vinyl polymer (I) is at the molecular chain terminal.
12. The curable composition according to any one of claims 1 to 11, further comprising a polyether polymer having at least one crosslinkable functional group on average.
13. The curable composition according to claim 12, wherein the polyether polymer has a main chain which is essentially polyoxyalkylene.
14. The curable composition according to claim 13, wherein the polyether polymer has a main chain which is essentially polypropylene oxide.
15. A curable composition comprising:  
a vinyl polymer (I) having at least one crosslinkable silyl group on average, and  
a polyol (III).